

# Required Corrections

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0400106- Polacca

Date Due Facility ID#  
8/18/2017 ST001

Issue Title

## Vent screen

Issue Description

The tank's vent is screened but the screen's mesh size is too large to exclude insects. EPA Region 9's policy on screening storage tank vents is as follows:

Vent screen should fit properly and be a fine enough mesh to prohibit the entry of insects and birds. Special vent designs may be necessary to prevent vents from clogging or freezing over. If the operator suspects that the tank vent has a tendency to become clogged or frozen over, the problem should be addressed by an engineer familiar with water tank vent design.

Recommended Corrective Action

A non-corrodible insect screen should be installed on the vent. EPA Region 9 recommends non-corrodible 24-mesh insect screen.

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Date Due Facility ID#  
8/18/2017 ST001

Issue Title

## Flap gate

Issue Description

The overflow pipe for ST001 has a flap gate to prevent insects and rodents from entering the tank through the overflow pipe. However, the flap gate is not fully closing and needs lubrication. EPA Region 9's policy on protection of overflows is as follows:

In order to prevent insects, birds, and animals from entering the tank, fit the end of the overflow pipe with a flap gate (or duckbill) that seals tightly, a screen, or both. The screen may be installed loosely to come off in the event that it becomes clogged in an overflow event.

Recommended Corrective Action

The flap gate should be lubricated so it closes securely under its own weight. SGEC recommends adding an insect screen as additional protection.

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Date Due Facility ID#  
8/18/2017 ST001

Issue Title

## Openings in roof

Issue Description

An abandoned instrument box in ST001's roof has holes in its cover and an opening inside that penetrates the roof. These openings can allow insects, spiders and rain water to enter the tank.

Recommended Corrective Action

The openings should be sealed.

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Please consult regarding these proposed corrective actions and negotiate reasonable due dates and specific actions.

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0400106- Polacca

Date Due Facility ID#

8/18/2017 ST004

Issue Title

**Unprotected target cable housing**

Issue Description

The new stainless steel storage tank has a functional target but the housing for the cable is not well protected against the entry of wasps and other nesting insects. Further, the tank has no access hatch to allow the operators to check for obvious contamination by insects making it even more important to ensure that insects and other contaminants cannot enter the tank.

Recommended Corrective Action

The opening around the target cable should be protected with non-corrodible screen or filled loosely with stainless steel wool. Regardless of the method chosen, the cable must have enough room to move freely as the water level changes.

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Please consult regarding these proposed corrective actions and negotiate reasonable due dates and specific actions.